

Amendment of the Specification

AVAILABLE COPY

Please amend the specification at page 1, by replacing the paragraph at lines 10-14 with the following:

1
-- This application is a continuation of United States Serial No. 08/963,678, filed October 31, 1997, now U.S. patent 6,110,354, which is incorporated herein in its entirety to the extent not incompatible herewith and claims the benefit of priority under 35 U.S.C. 119(e) of United States provisional application Serial No.60/030,319 filed on November 1, 1996 and which is also incorporated by reference herein in its entirety. --

Please amend the specification by replacing the Abstract of the Invention on page 37 of the application as filed with the following:

2
-- **ABSTRACT OF THE INVENTION**

2
The present invention provides microband electrode array sensors for detecting the presence and measuring the concentration of analytes in a sample. The microband electrodes of the invention have both a width and a thickness of microscopic dimensions. Preferably the width and thickness of the microband electrodes are less than the diffusion length of the analyte(s) of interest. In general, both the thickness and width of the electrodes are less than about 25 micrometers. The electrodes are separated by a gap insulating material that is large enough that the diffusion layers of the electrodes do not overlap such that there is no interference and the currents at the electrodes are additive. Microband electrode arrays of this invention exhibit true steady-state amperometric behavior.--